

Title (en)
LOAD-DEPENDENT BRAKE PRESSURE PROPORTIONING VALVE

Publication
EP 0283328 B1 19900404 (FR)

Application
EP 88400172 A 19880127

Priority
FR 8702538 A 19870226

Abstract (en)
[origin: US4824180A] A brake corrector (10) subject to the load of a vehicle is equipped with a fluidic pressure sensor (42; 142), the corrector (10) comprising a body (11) having a bore (12) in which is mounted slidably a piston (20) designed to interact with a valve element (26) in order to control a fluid passage between an inlet (38) and an outlet (32) of the corrector (10). The sensor (42; 142) comprises a piston (56; 156) mounted slidably in a cylinder (50, 150) and moved in the cylinder (50, 150) by way of a suspension spring (48; 148) of the vehicle in which the assembly is mounted, the variation of force exerted on the piston (56; 156) causing a variation in pressure of the fluid contained in the cylinder (50, 150). The corrector (10) and sensor (42; 142) are connected fluidically so that the pressure variation acts on the piston (20) of the corrector. The sensor (42; 142) is shaped so as to interact with one end (60) of the suspension spring (48; 148) and has a shape substantially matching that of the one end (60).

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IPC 8 full level
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EP0439205A1; EP0392071A1; US4925251A; FR3075104A1; EP3133381A4; EP0415808A1; FR2651184A1; US5201571A; GB2243888A; GB2243888B; US5236251A; EP0406038A1; FR2649046A1; EP3078516A1; FR3034711A1; FR2751930A1; US5951117A; EP0426509A1; FR2653880A1; US5127637A; WO9006871A1; WO2009033985A1; WO9805537A3

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